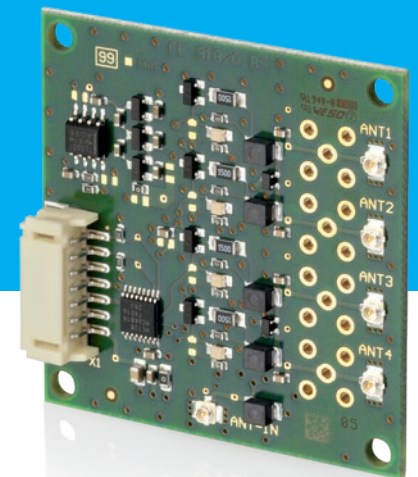


ID CPR.ANT.MUX.M4

4 CHANNEL ANTENNA MULTIPLEXER

- Allows the connection of up to 4 external antennas to the ID CPR74
- Communication between reader and multiplexer via 2 control inputs
- Easy control of the multiplexer outputs via CPR74
- Active antenna port indicator for each channel
- Non-wearing electronic switching of the outputs
- High switching speed (< 1 ms)



The 4 Channel Multiplexer ID CPR.ANT.MUX-M4 allows connection of up to 4 external antennas to the reader module ID CPR74. Thus it is possible to realize up to 5 reading areas if the internal antenna of the ID CPR74 is also used.

The control of each active antenna is done via a simple configuration of the CPR74. Alternatively, the control can be effected via two digital inputs by an external control electronics.

At any time, only one antenna is active – this is indicated by one LED each, which is attached next to each antenna output.

4 CHANNEL ANTENNA MULTIPLEXER

for HF Reader Module ID CPR74

Technical data

Weight	12 g
MTBF	500,000 h
Power supply	+5 V DC \pm 5 %
Current consumption	< 40 mA
I/O	
Digital inputs	Low level: 0 ... 1.0 V High level: 3.8 V ... VCC Pull-Down: 10 k Ω
LED	4 LED (yellow)
Operating frequency	13.56 MHz
RF power	max. 500 mW
Reader connection	U.FL connector
Antenna connection	4 x U.FL connectors for external antennas
Temperature range	
Operation	-25 °C up to +70 °C
Storage	-40 °C up to +85 °C
Relative air humidity	max. 95 % (non-condensing)



ID CPR.ANT.MUX.M4

Standard conformity

EMC	EN 301 489
Safety & Health	EN 62368-1, EN 50364
Environment	WEEE-2002/96/EC, RoHS-2011/65/EC

The following articles (reader, antennas and accessories) can be operated with the ID CPR.ANT.MUX-M4

Order descriptions

ID CPR74-CUSB	HF Reader module with integrated antenna and external antenna connector
ID CPR74-4SCUSB	HF Reader module with integrated antenna and external antenna connector, with 4 SAM sockets
ID ANT.100/100	HF Antenna 100 x 100 cm
ID ANT.40/30	HF Antenna 40 x 30 cm
ID ANT.C5-A	HF Antenna cable U.FL, 50 cm
ID ANT.C02-U.FL/SMA	HF Adapter cable from U.FL to SMA, 20 cm